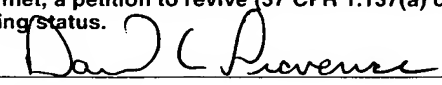


FC/IM PTO-1290 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE (REV. 2-2005)		ATTORNEY'S DOCKET NUMBER 290.0059 0101
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) Unknown 10/538820
INTERNATIONAL APPLICATION NO. PCT/US 2003/039516	INTERNATIONAL FILING DATE 12 December 2003	PRIORITY DATE CLAIMED 13 December 2002
TITLE OF INVENTION METHODS AND VECTORS FOR MAKING KNOCKOUT ANIMALS		
APPLICANT(S) FOR DO/EO/US Paul COLLODI et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). 11. <input checked="" type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409). 12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210). <p>Items 13 to 23 below concern document(s) or information included:</p> <ol style="list-style-type: none"> 13. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 14. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 15. <input checked="" type="checkbox"/> A FIRST preliminary amendment. 16. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 17. <input type="checkbox"/> A substitute specification. 18. <input type="checkbox"/> A power of attorney and/or change of address letter. 19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). 22. <input checked="" type="checkbox"/> Express Mail Label No. EV 201 891 919 US 23. <input checked="" type="checkbox"/> Other items or information: <p>Item ized return-stamped postcard, Transmittal Letter (1 p); ADS (2 p); authorization to charge DEPOSIT ACCOUNT NO. 13-4895 for \$805.00 for US Natl Stage Filing Fee.</p>		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO (if known, see 37 CFR 1.5) 10/538820		INTERNATIONAL APPLICATION NO. PCT/US 2003/039516		ATTORNEY'S DOCKET NUMBER 290.0059 0101		
The following fees are submitted:				CALCULATIONS	PTO USE	
24. <input checked="" type="checkbox"/> Basic national fee		\$300	\$	\$300.00		
25. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4).		\$100	\$	\$200.00		
All other situations.		\$200				
26. <input checked="" type="checkbox"/> Search fee						
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority		\$100				
International Search Report prepared and provided to the Office		\$400				
All other situations.		\$500	\$	\$100.00		
TOTAL OF 24, 25 and 26 =			\$	\$600.00		
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.						
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)	RATE			
- 100 =	0	/50 =	0	x \$250.00	\$	
					\$0.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	\$130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			
Total claims	24 - 20 =	4	x \$50.00	\$	\$200.00	
Independent claims	6 - 3 =	3	x \$200.00	\$	\$600.00	
MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00				\$	\$0.00	
TOTAL OF ABOVE CALCULATIONS =				\$	\$1,530.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	\$765.00	
SUBTOTAL =				\$	\$765.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	\$0.00	
TOTAL NATIONAL FEE =				\$	\$765.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +				\$	\$40.00	
TOTAL FEES ENCLOSED =				\$	\$805.00	
				Amount to be	\$	
				Amount to be	\$	
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 13-4895 in the amount of \$805.00 to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-4895 . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.						
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.						
SEND ALL CORRESPONDENCE TO: MUETING, RAASCH & GEBHARDT ATTN: David L. PROVENCE P.O. Box 581415 Minneapolis, Minnesota 55458-1415 US						
				SIGNATURE 		
				NAME David L. PROVENCE		
				NAME 43,022		
				REGISTRATION NUMBER		

JC09 Rec'd PCT/PTO 13 JUN 2005

Applicant(s): Paul COLLODI et al.
Docket No.: 290.0059 0101
Title: METHODS AND VECTORS FOR MAKING KNOCKOUT ANIMALS

MAIL STOP PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

U.S. NATIONAL STAGE PATENT APPLICATION

We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate):

- ☒ An itemized return postcard.
- ☒ Transmittal Letter to the United States DO/EO/US Concerning a Filing Under 35 U.S.C. 371 (Form PTO-1390) (2 signed copies, 2 pgs each)
- ☒ Application Data Sheet (2 pgs).
- ☐ Formal Drawings (figs on sheets)
- ☒ An Assignment of the invention to PURDUE RESEARCH FOUNDATION and Recordation Form Cover Sheet (3 pgs total).
- ☒ Other: Preliminary Amendment (3 pgs) Copy of International Search Report; Copy of International Preliminary Examination Report
- ☒ Please charge DEPOSIT ACCOUNT NO. 13-4895 in the amount of \$ 805 to pay the filing fees.

☒ **Small Entity Status is entitled to be asserted in the above-identified application.**

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

MUETING, RAASCH & GEBHARDT, P.A.
Customer Number: 26813

By: David L. Provence
Name: David L. Provence
Reg. No.: 43,022
Direct Dial: 612-305-1005
Facsimile: 612-305-1228

CERTIFICATE UNDER 37 CFR §1.10:

"Express Mail" mailing label number: EV 201 891 919 US Date of Deposit: 13 JUNE 2005

I hereby certify that the Transmittal Letter and the paper(s) and/or fee(s), as described hereinabove, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: Kelly J. McNulty
Printed Name: Kelly J. McNulty

(SMALL ENTITY TRANSMITTAL UNDER RULE 1.10)